

CLAIMS

1. A light diffusing sheet comprising:  
a transparent base sheet; and  
a light diffusing layer provided on a front

surface side of the base sheet, wherein

the light diffusing layer is formed by  
dispersing resinous beads and a fine inorganic filler  
into a binder, and

the fine inorganic filler is colloidal  
silica.

2. The light diffusing sheet of Claim 1,  
wherein the resinous beads of the light diffusing layer  
have an averaged particle diameter of 1 micrometer to  
50 micrometers and the fine inorganic filler of the  
light diffusing layer has an averaged particle diameter  
of not smaller than 5 nanometers and smaller than 1  
micrometer.

3. The light diffusing sheet of Claim 1,  
wherein an amount of the fine inorganic filler mixed  
into the light diffusing layer is 10 parts to 500 parts  
by weight for 100 parts by weight of a polymer  
component in the binder.

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4. A light diffusing sheet comprising:  
a transparent base sheet;  
a light diffusing layer provided on a front  
surface side of the base sheet; and

5 a sticking-proof layer provided on a rear  
surface side of the base sheet, wherein

the sticking-proof layer is formed by  
dispersing resinous beads and a fine inorganic filler  
into a binder, and

10 the fine inorganic filler is colloidal  
silica.

15 5. The light diffusing sheet of Claim 4,  
wherein the resinous beads of the sticking-proof layer  
has an averaged particle diameter of 1 micrometer to 50  
micrometers and the fine inorganic filler of the  
sticking-proof layer has an averaged particle diameter  
of not smaller than 5 nanometers and smaller than 1  
micrometer.

20 6. The light diffusing sheet of Claim 4,  
wherein an amount of the fine inorganic filler mixed  
into the sticking-proof layer is 10 parts to 500 parts  
by weight for 100 parts by weight of a polymer  
component in the binder.

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7. A backlight unit comprising:

a lamp;

a light guiding plate disposed laterally of  
the lamp for guiding light rays emitted from the lamp  
to a front surface side; and

a light diffusing sheet according to any of  
Claims 1 to 6 disposed on a front surface side of the  
light guiding plate.

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